

Amendments to the Specification

On page 7, please revise paragraph [0029] beginning on line 9 as follows:

Turning now to the drawings and initially to FIGS. 1-3, an X-ray emitting device is generally indicated at 10. Device 10 preferably comprises an X-ray source, or goniometer or X-ray head assembly for use in X-ray diffraction analysis. A representative test set-up is shown in FIG. 18 including a typical X-ray head assembly in which the present cooling system can be incorporated. Generally, the head assembly will include a collimator 13 depending from the forward end portion thereof for directing X-rays at part such as the illustrated gear 15 rigidly held by fixturing 17 therebelow. The head assembly 10 along with its collimator 13 is commonly driven in an arcuate path ~~17~~ 170 so that X-rays are directed at the region on the part 15 to be tested from a variety of different angles to provide several different data points from which X-ray diffraction measurement information can be gleaned. In addition to the collimator 13, X-ray detector assembly 19 is carried by the head assembly 10 and includes a pair of detectors or sensors 21 and 23 that are typically mounted on either side of the collimator 13 via an arcuate detector mount 25. The detectors 21 and 23 can be fiber optic detectors that sense the resultant or diffracted X-rays for processing by a control unit connected to the fiber optic detectors 21 and 23.